AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

- (Withdrawn) Apparatus for use in well operations, comprising:
 a downhole tool having a thermal coating.
- 2. (Currently Amended) The apparatus of claim 1, wherein the downhole tool is a perforating gun. Apparatus for use in well operations, comprising:
 - a downhole tool perforating gun having a thermal coating.
- 3. (Original) The apparatus of claim 2, wherein the perforating gun comprises:

wherein the thermal coating surrounds the hollow carrier.

- 4. (Original) The apparatus of claim 2, wherein the perforating gun comprises:
- a loading tube,

a hollow carrier,

wherein the thermal coating surrounds the loading tube.

- 5. (Original) The apparatus of claim 4, wherein the loading tube is fabricated from metal.
- 6. (Original) The apparatus of claim 4, wherein the loading tube is fabricated from pulp paper.
- 7. (Original) The apparatus of claim 4, wherein the loading tube is fabricated from plastic.
- 8. (Original) The apparatus of claim 4, wherein the loading tube is fabricated from polystyrene.

- 9. (Original) The apparatus of claim 2, wherein the perforating gun comprises:
- a shaped charge,

wherein the thermal coating surrounds the shaped charge.

- 10. (Original) The apparatus of claim 9, wherein the shaped charge is a capsule charge.
- 11. (Original) The apparatus of claim 9, wherein the shaped charge is a non-capsule charge.
- 12. (Original) The apparatus of claim 2, wherein the perforating gun comprises:

a propellant,

wherein the thermal coating surrounds the propellant.

- 13. (Withdrawn) The apparatus of claim 1, wherein the downhole tool is a tubing cutter.
- 14. (Withdrawn) The apparatus of claim 13, wherein the tubing cutter comprises:

a housing,

wherein the thermal retardant coating surrounds the housing.

- 15. (Withdrawn) The apparatus of claim 13, wherein the tubing cutter comprises:
- a shaped charge,

wherein the thermal coating surrounds the shaped charge.

- 16. (Withdrawn) The apparatus of claim 1, wherein the downhole tool is a detonator.
- 17. (Withdrawn) The apparatus of claim 16, wherein the detonator comprises:

an exploding foil initiator,

wherein the thermal coating surrounds exploding foil initiator.

- 18. (Withdrawn) The apparatus of claim 16, wherein the detonator comprises:
- an exploding foil initiator;
- a capacitor discharge unit in connection with the initiator;
- an initiator board in connection with the capacitor discharge unit:
- a processor in connection with the initiator board; and
- a bettery in connection with the initiator board,

wherein the thermal coating surrounds the exploding foil initiator, the capacitor discharge unit, the initiator board, the processor, and the battery.

- 19. (Withdrawn) The apparatus of claim 1, wherein the downhole tool is a detonating cord.
- 20. (Withdrawn) The apparatus of claim 1, wherein the downhole tool is an explosive actuator.
- 21. (Amended) The apparatus of claim $\frac{1}{2}$, wherein the thermal coating is a thermal intumescent coating.
- 22. (Withdrawn) A perforating gun for use in a wellbore, comprising:
- a shaped charge containing an explosive;
- a loading tube for holding the shaped charge; and
- a hollow carrier for carrying the loading tube into the wellbore,
- wherein the shaped charge is surrounded by a thermal coating.
- 23. (Withdrawn) The perforating gun of claim 22, wherein the loading tube is surrounded by a thermal coating.
- 24. (Withdrawn) The perforating gun of claim 23, wherein the hollow carrier is surrounded by ε thermal coating.

- 25. (Original) A method of protecting a downhole tool for use in a well, comprising: applying a thermal coating to the downhole tool.
- 26. (Withdrawn) Apparatus for use in holding a downhole tool, comprising:
 a container having an outer surface and defining an inner volume to receive the downhole tool;
 and
- a thermal coating applied to the outer surface of the container.
- 27. (Withdrawn) Apparatus of claim 26, further comprising:packing material adapted to secure the downhole tool within the inner volume of the container, the packing material having a thernal coating.
- 28. (Withdrawn) Apparatus for use in securing a downhole tool, comprising:

 packing material adapted to surround the downhole tool in a container, the packing material having a thermal coating.
- 29. (Withdrawn) A method of protecting a downhole tool, comprising: providing a container to hold the downhole tool; applying a thermal coating to the container; and placing the downhole tool within the container.
- 30. (Withdrawn) The method of claim 29, further comprising:

 providing a packing material to secure the downhole tool in the container;

 applying a thermal coating to the packing material; and

 positioning the packing material around the downhole tool within the container.

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31. (Withdrawn) A method of protecting a downhole tool, comprising:
providing a packing material to secure the downhole tool in a container;
applying a thermal coating to the packing material; and
positioning the packing material around the downhole tool within the container.